



ANSI C78.1434-2001 (S2018)

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American National  
Standard for Condensing  
Dichroic Coated Integral  
Reflector Side Pin  
Tungsten Halogen  
Projection Lamps  
with GX7.9 Bases



**National Electrical Manufacturers Association**  
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# American National Standard

Approved: June 8, 2018

Secretariat: American National Lighting Group

## Electric Lamps

### Condensing Dichroic Coated Integral Reflector Side Pin Tungsten Halogen Projection Lamps with GX7.9 Bases

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Consolidation/Revision of ANSI C78.1404-1991 and ANSI C78.1412-1991

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This Standard is being maintained under the stabilized maintenance option. Proposals for modification or improvement of this Standard are welcome. They should be sent to the National Electrical Manufacturers Association, 1300 N 17th Street, Suite 900, Arlington, VA 22209 or sent via the NEMA website (<http://www.nema.org>).

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**FOREWORD** (This Foreword is not part of ANSI C78.1434-2001)

Suggestions for improvement of this standard will be welcome. They should be sent to the Secretariat, C78 Committee, National Electrical Manufacturers Association, 1300 North 17<sup>th</sup> Street, Suite 1847, Rosslyn, VA 22209. This standard was processed and approved for submittal to ANSI by Accredited Standards Committee on Electric lamps, C78, and its subcommittee, C78-1. Approval of the standard does not necessarily imply that all committee members voted for its approval. Information concerning the approval of this standard is based on the documents listed in the table below:

CDV	RV
C78(1)/3961	C78(1)/3962v2

At the time of publications the C78 committee consisted of the following members:

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Bernie Rachel, Technical Coordinator  
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# American National Standard

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## Condensing Dichroic Coated Integral Reflector Side Pin Tungsten Halogen Projection Lamps with GX7.9 Bases

### 1 Scope

This standard consolidates previous standards for certain low voltage condensing dichroic-coated integral reflector side pin tungsten halogen projection lamps with GX7.9 bases designed for large screen projection systems and used in 8mm and 16mm projector applications. The lamp types contained in this standard are not to be considered as interchangeable although they may physically fit into systems with GX7.9 lampholders. Photometry performance of each lamp depends upon the photometry appraisal system for which it was designed as well as the system in which the lamp is used. Photometry appraisal and end use systems may or may not be the same.

Condensing integral reflector side pin tungsten halogen projection lamps with GX7.9 bases having the ANSI lamp designations, DNF and FMM, are included in this Standard.

### 2 Normative References

The following standards contain provisions which, through reference in this text, constitute provisions of this American National Standard. At the time of publication, the editions indicated were valid. However, all standards are subject to revision, and parties to agreements based on this American National Standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below.

ANSI C78.1450-1983 (R1994) *Incandescent Projection Lamps, Method for Life Testing*

ANSI C81.61-1990 *Electrical Lamp Bases*

ANSI IT7.201-1991, *Slide Projectors and Filmstrip Projectors - Illumination Tests*

ISO 11315-1:1997, *Photography – Projection in Indoor Rooms, Part 1; Screen Illumination Test for Still Projectors*

ANSI/IEC C78.682-1997, *Standard Method of Measuring the Pinch Temperature of Quartz Tungsten Halogen Lamps*

Other standards, not referred to in the text of this standard but may still provide additional relevant information, are listed in Annex B as informative references.